

# [DUAL MODE LIQUID CRYSTAL DISPLAY]

## Abstract

A dual mode liquid crystal display device comprising an upper substrate, a lower substrate and a liquid crystal layer between the upper and the lower substrate is provided. The lower substrate further includes a first thin film transistor, a second thin film transistor, a reflective electrode connected to the first thin film transistor, and a regional light-emitting source connected to the second thin film transistor. The first thin film transistor and its electrically connected reflective electrode and the second thin film transistor and its electrically connected light-emitting diode can be positioned inside two separate pixel regions or inside a single pixel region.